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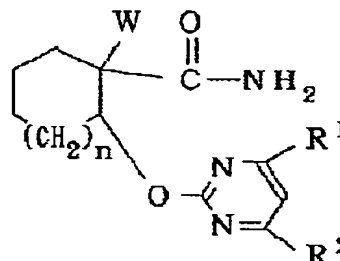
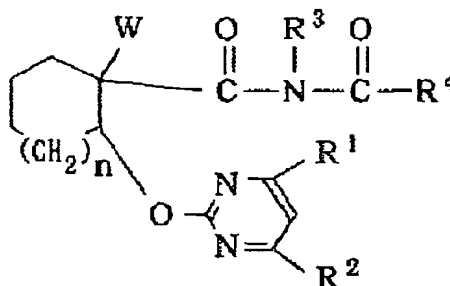
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APPLICANT : MITSUBISHI PETROCHEM CO LTD;

INVENTOR : FURUMINE MIKI;

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TITLE : NOVEL N-ACYLCYCLOALKANE
CARBOXAMIDE DERIVATIVE AND
HERBICIDE CONTAINING THE SAME
AS ACTIVE INGREDIENT



ABSTRACT : PURPOSE: To obtain a novel compound having a wide herbicidal spectrum and a strong herbicidal activity and having high safety for some kinds of useful crops.

CONSTITUTION: An N-acrylcycloalkane carboxamide derivative of formula I [(n) is 0-3; W is halogen; R¹, R² are halogen, (halogenated)alkyl, (halogenated)alkoxy, (halogenated)alkylthio, mono or dialkyl-substituted amino; R³ is H, a counter cation when an agriculturally acceptable salt is formed, alkyl, alkoxy; R⁴ is (halogenated)alkyl, (halogenated)alkenyl, (substituted)aryl, (substituted)aralkyl], e.g. trans-1-fluoro-2-(4,6-dimethoxypyrimidinyl-2-oxy)-N-acetyl-1-cyclohexane carboxamide. The compound formula I wherein R³ is H is obtained by reacting a compound of formula II with an acrylating agent of formula: (R⁴CO)₂ or R⁴COCl.

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